

BACKPACK

BACKGROUND OF THE INVENTION

Field of the Invention:

5 The present invention relates to backpacks, more particularly to a backpack comprising a built-in speaker for outputting the sound of a portable player, and the speaker having an amplify circuit and an adjusting button; and a wire conducting device and a wire binder disposed at appropriate positions of the backpack, such that a signal line of an earphone can be passed through and set into a fixed position.

10 Description of the Related Art:

People always carry things, and there are numerous ways of carrying things. However, it is very common and feasible for carrying things by a bag to prevent the things contained in the bag from falling out or being exposed.

15 According to the ergonomics, it is the best way to carry things on one's back, because both hands of the carrier are not restricted to activities. Therefore, two shoulder straps are connected to four corners of the back of a bag to constitute a popular mountain climbing backpack, which is also very common to students for carrying books.

20 Since a backpack was intended for mountain climbing or hiking, there are various kinds of backpacks designed for different activities. There are backpacks specially designed for skate board players or bicyclers. Backpack manufacturers always focus on the improvement on various stylish designs, but they seldom think of a backpack as a "Mobile Stereo".

25 In fact, sports activities such as mountain climbing, hiking, or bicycling relate to continuous monotonic movements, therefore people would like to bring a MP3 player, a walkman, or a CD player with them to eliminate tiredness and have

a joyful mood by listening to the music. However, the conventional bags only provide the function of containing objects, and have not taken the functions of amplifying the sound output by speakers and sharing the music with others into consideration. Therefore, the conventional bag urgently needs improvements.

5 SUMMARY OF THE INVENTION

In view of the description above, the inventor of the present invention based on years of experience on the design and sales of sports appliances to conduct extensive researches and experiments in order to overcome the shortcoming of the prior-art that has the only function of carrying things and finally invented a
10 backpack according to the present invention.

The primary objective of the present invention is to provide a backpack having built-in speakers, which comprises an accommodating space therein; a latch device disposed on both sides of the bag for opening or closing the bag; two shoulder straps respectively coupled to the upper and lower sections of both sides
15 of the rear of the bag for carrying the bag on a user's back; two speakers, built in and exposed from both sides of the front of the bag, and a signal line for connecting the two speakers, and one of the speakers having a signal input line and a plug; thereby the two speakers are capable of producing sound by connecting the plug with a signal output socket of a portable player.

20 The secondary objective of the present invention is to provide a backpack having built-in speakers, which further comprises a power supply device being in a box form and connected to a main body of a speaker by a power cable, and an amplify circuit is disposed inside the speaker; and a control button protruded from the surface of the speaker for controlling the power connection and sound volume.

25 BRIEF DESCRIPTION OF THE DRAWINGS

For further disclosure on the technical features of the present invention, please refer to the following figures:

FIG. 1 is a perspective view of the backpack according to the present invention;

FIG. 2 is a front view of the present invention;

FIG. 3 is a side view of the present invention;

5 FIG. 4 is a rear view of the present invention;

FIG. 5 is a view of the backpack combined with a portable player of the present invention;

10 FIG. 6 is a view of the earphone signal line of a portable player being fixed at a position outside the bag of the backpack according to the present invention; and

FIG. 7 is a view of the earphone signal line of a portable player being fixed at a position inside the bag of the backpack according to the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

15 In FIGS. 1 to 4, the backpack according to the present invention comprises a bag 1, two shoulder straps 2, two speakers 3, and/or a power supply device 4, wherein the bag is a prior art, which could be either in a solid form or a soft form and preferably designed as a mountain climbing bag. The bag 1 comprises an accommodating space 11 therein, an opening disposed on one side, and a latch device 12 such as a zipper or an adhesive tape for opening or closing the bag 1
20 for putting/removing things into/from the bag 1 respectively. The bag 1 further comprises at least one accessory pocket 13 disposed on the exterior of the bag 1 and/or in the accommodating space 11, and a handle 14 disposed at the top of the bag 1 for facilitating the carry of the bag 1.

25 Both ends of the two shoulder straps 2 are coupled to the upper and lower sections of the rear surface of the bag 1 for allowing the arms of the user to pass

through, such that the bag can be carried on the user's back or chest. The shoulder strap 2 is preferably an adjustable strap, and since the shoulder strap 2 is a prior art, therefore it will not be described here.

The technical characteristic of the present invention resides on that the bag 1 comprises a built-in speaker 3 on each side of the bag 1 as shown in FIGS. 5 to 7, and the speaker 3 comprises a speaker member 31 disposed in the accommodating space 11, and a sound hole is cut from the cloth at the surface of the bag 1, such that a decorative panel 32 is provided for at least one fixture to pass through the cloth to combine with the speaker member 31, and both speakers 3 are exposed to the outside. Further, a signal input line 34 connects the two speakers, and a signal input line 34 and a plug 35 are extended from one of the speakers to connect the signal output socket 52 of a portable player 5 such as a CD player, a MP3 player, a MD player, a walkman, or a radio, etc for releasing sound from the two speakers 3.

However, when an insufficient power output of the two speakers is taken into consideration, one of the speakers 3 has an amplify circuit (AMP, which is a prior art and will not be described here) and a control button 36 for controlling the power connection and sound volume. An indicating lamp 37 is used to indicate the state of the power supply. Since the speaker 3 requires power to provide an amplifying effect, therefore a power supply device 4 is installed in the bag 1, and the power supply device 4 is preferably a dry battery cell, and this embodiment adopts six pieces of C-shaped batteries connected in parallel to produce a power output of 9 volts. The batteries are connected to the speaker 3 to provide the amplifying function; wherein the power supply device 4 can be installed in the accommodating space 11, or the power device 4 is installed in a front accessory pocket 15 disposed in the front of the bag 1 and covered by a front cover 16. The front cover 16 has a pocket 161 at its lower section and the pocket 161 is opened or closed by a latch device 162 such as a zipper or an adhesive tape for accessing a compact disk. Further to set the front cover 16 in a fixed position, a

string 163 is tied to both sides of the bottom of the front cover 16 and connected to the rear side of the bag 1, and each string 163 has a buckle 164 such as a male buckle and a female buckle for fixing or lifting up the front cover by buckling or unbuckling the buckle 164.

5 Further, the portable player 5 can be accommodated and fixed in an appropriate position of the bag 1. For example, at least one accessory pocket 13 is disposed on the side of the bag 1 and opened or closed by a latch device 131 such as a zipper or an adhesive tape to put in or take out the portable player. The accessory pocket 13 has a wire guider 17 at its surface, so that the signal line 61
10 and the plug 62 of the earphone 6 can be passed through and inserted into the signal output socket 51. Therefore, a user can listen to the music through an earphone 6. The wire guider 17 comprises a plurality of cut lines 172 in a radial form at the center of a film and has the function of being opened and closed automatically while preventing water or dust from entering into the accessory
15 pocket 13.

Please refer to FIG. 6. The accessory pocket 13 disposed on the surface of the upper section of the bag 1 has at least one binding tape 18 such as an adhesive tape for preventing any affection to the user's movements due to the excessively long signal line 61 of the earphone 6 and facilitating the signal line 62
20 to pass through and form a circle.

Please refer to FIG. 7. The signal line 62 of the earphone 6 also passes through a preset pocket hole 132 disposed between the accessory pocket 13 and the bag 1, and then the signal line 61 runs upwardly and passes through at least one circle surrounded by the binding tape 18, and finally comes out from the wire
25 guider 17 at the top of the bag 1 to let a user listen to the music on one's own.

Thus, this invention provides a backpack for sharing music with friends during a hiking activity or other sports activities by installing a portable player and sending audio signals to the two speakers at the front section of the backpack. Of

course, a user may choose to listen to the music on one's own by passing the signal line of the earphone through the wire guider and outwardly fixed to at least one binding tape, so that the wire and the backpack will not tangled. Furthermore, the present invention can be used for advertising or propagation by carrying the backpack on a user's back or chest in a crowded place and attracting audiences by broadcasting. The present invention is definitely novel with totally different functions.

While the invention has been described by way of example and in terms of a preferred embodiment, it is to be understood that the invention is not limited thereto. To the contrary, it is intended to cover various modifications and similar arrangements and procedures, and the scope of the appended claims therefore should be accorded the broadest interpretation so as to encompass all such modifications and similar arrangements and procedures.